

US EPA ARCHIVE DOCUMENT



Clean Cities Program Overview

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Wisconsin & South Shore Clean Cities
Executive Directors

Clean Cities Mission

To advance the energy, economic, and environmental security of the United States by supporting local decisions to adopt practices that contribute to the reduction of petroleum consumption in the transportation sector.

- Sponsored by the DOE's Office of Energy Efficiency and Renewable Energy's Vehicle Technologies program
- Provides a framework for businesses and governments to work together as a coalition to enhance markets
- Coordinate activities, identify mutual interests, develop regional economic opportunities, and improve air quality
- Deployment of alternative fuels and advanced vehicle technologies (i.e.: vehicles and fueling infrastructure)

Clean Cities: A Brief History

1988: Alternative Motor Fuels Act

1990: Clean Air Act Amendments

1991: Creation of the Alternative Fuels and Advanced Vehicles Data Center (AFDC)

1993: Clean Cities established in 1993 in response to the Energy Policy Act (EPAAct) of 1992. More about EPAAct:

- Mandated the DOE to create programs that increase the use of alternative fuels in place of gasoline and diesel fuel in conventional vehicles.
- Defined alternative fuels
- Required federal, state, and alternative fuel provider fleets to begin phasing in the purchase of AFVs.

1996: 52 designated Coalitions

2000: 79 designated Coalitions

Today: 85 designated Coalitions

Clean Cities Portfolio of Technologies

Alternative Fuels and Vehicles

- Biodiesel (B100)
- Electricity
- Ethanol (E85)
- Hydrogen
- Natural gas
- Propane



Fuel Blends

- Biodiesel/diesel blends (B2, B5, B20)
- Ethanol/gasoline blends (E10)
- Hydrogen/natural gas blends (HCNG)

Hybrids

- Light- and Heavy-duty HEVs
- PHEVs

Fuel Economy

- Fuel efficiency
- Behavioral changes
- Vehicle maintenance initiatives
- Vehicle miles traveled (VMT)

Idle Reduction

- Heavy-duty trucks
- School buses
- Truck stop electrification

Clean Cities' Unique Assets

Local Strategy to Advance a National Goal

- Local involvement works effectively in communities
- National leadership adds legitimacy to local activities

Coordinators

- Local champion and point of contact
- Strong local relationships and understanding of player and issues.

Coalitions

- Members are committed to the mission
- Build bridges in the local community to address barriers and complete projects

Technical Information and Resources

- AFDC, Fuel Economy Guide, Alternative Fueling Location websites, recognized nationally and abroad as reliable sources of unbiased information
- DOE EERE website and Technical Response Service

Clean Cities Coalitions: Public-Private Partnerships

- Comprised of stakeholders who share a common commitment to using alternative fuels
 - Local governments, businesses, fuel providers, state fleets, etc.
- Coalitions facilitate the adoption of new transportation technologies and stimulate local alternative fuel markets
- **Education and outreach, and leveraging public and private funding** are important activities for coalitions
 - Identify and educate fleets about alternative fuel
 - Build necessary refueling sites
 - Train drivers, mechanics, policymakers and others
 - Educate the public
 - Find adequate resources for AFV projects
 - Encourage governments to pass legislation favorable to AFVs
 - Fiscal incentives, e.g. taxes, rebates
 - Non-fiscal incentives, e.g. green parking, HOV access

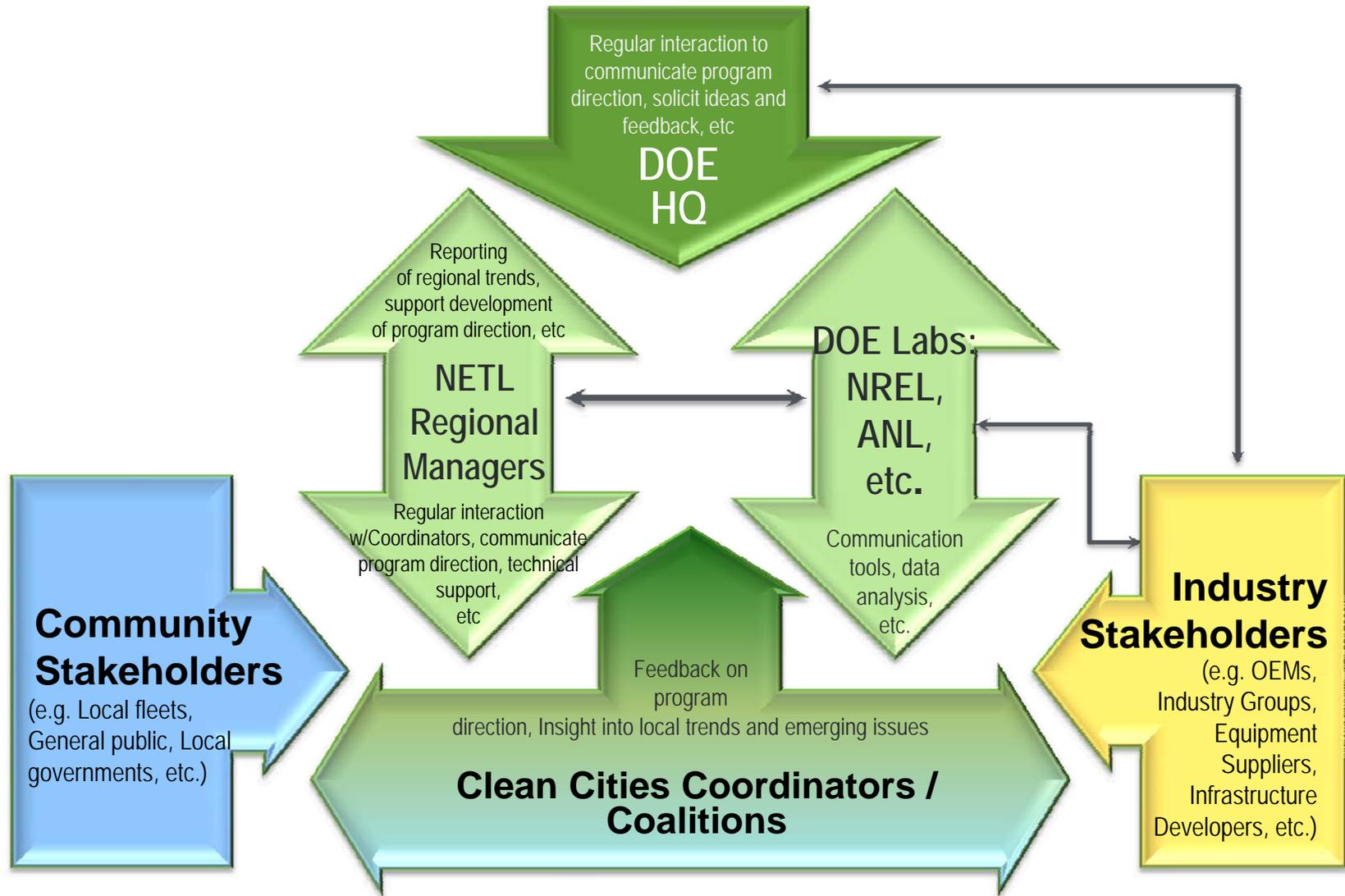
Coalitions Are Unique!



Coalition Organization Type	# of Coalitions
Standalone Nonprofit	44
Hosted in Nonprofit or Community Service Organization	12
Hosted in Council of Governments, Metropolitan Planning Organization, or Regional Planning Commission	17
Hosted in City Agency	11
Hosted in County Agency	1
Hosted in State Agency	9
Hosted in University	8
Independent Business	1

Some Coalitions are affiliated with multiple organization types

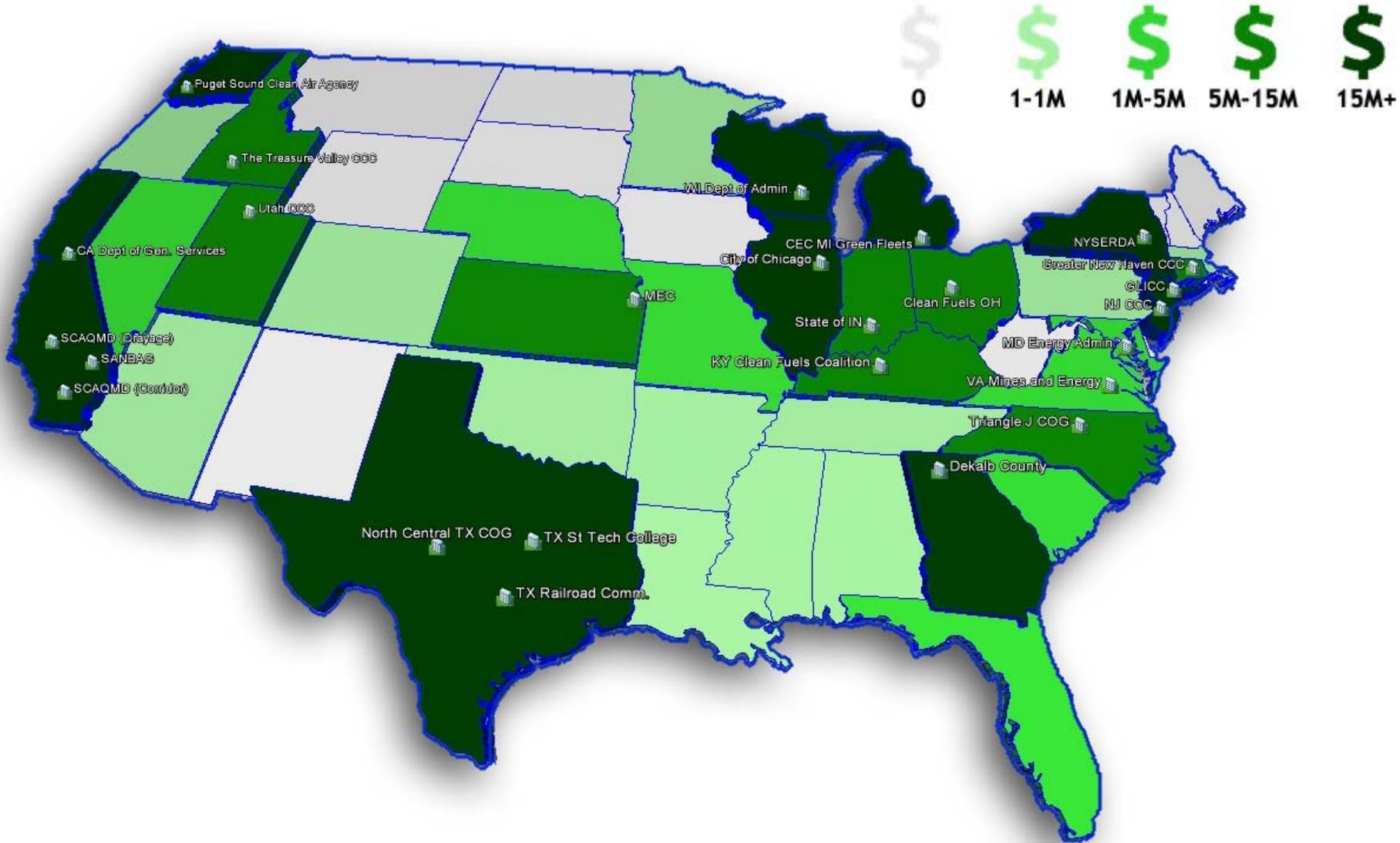
Clean Cities Program Roles



Impact of ARRA & Recent Clean Cities Awards ...

- Over 1,500 Alternative Fuel and Electric Charging Stations to be built or upgraded (includes 500+ EV charging stations)
- Over 7,500 Alternative Fuel and Advanced Technology Vehicles will be deployed
- ~ 40 Million gallons per year of Petroleum Reduction
- Hundreds of workshops, educational events, workforce training and public outreach efforts
- Local Community & Economic Development

Clean Cities Recovery Act Award Recipients and Total DOE Funds Disbursement by State

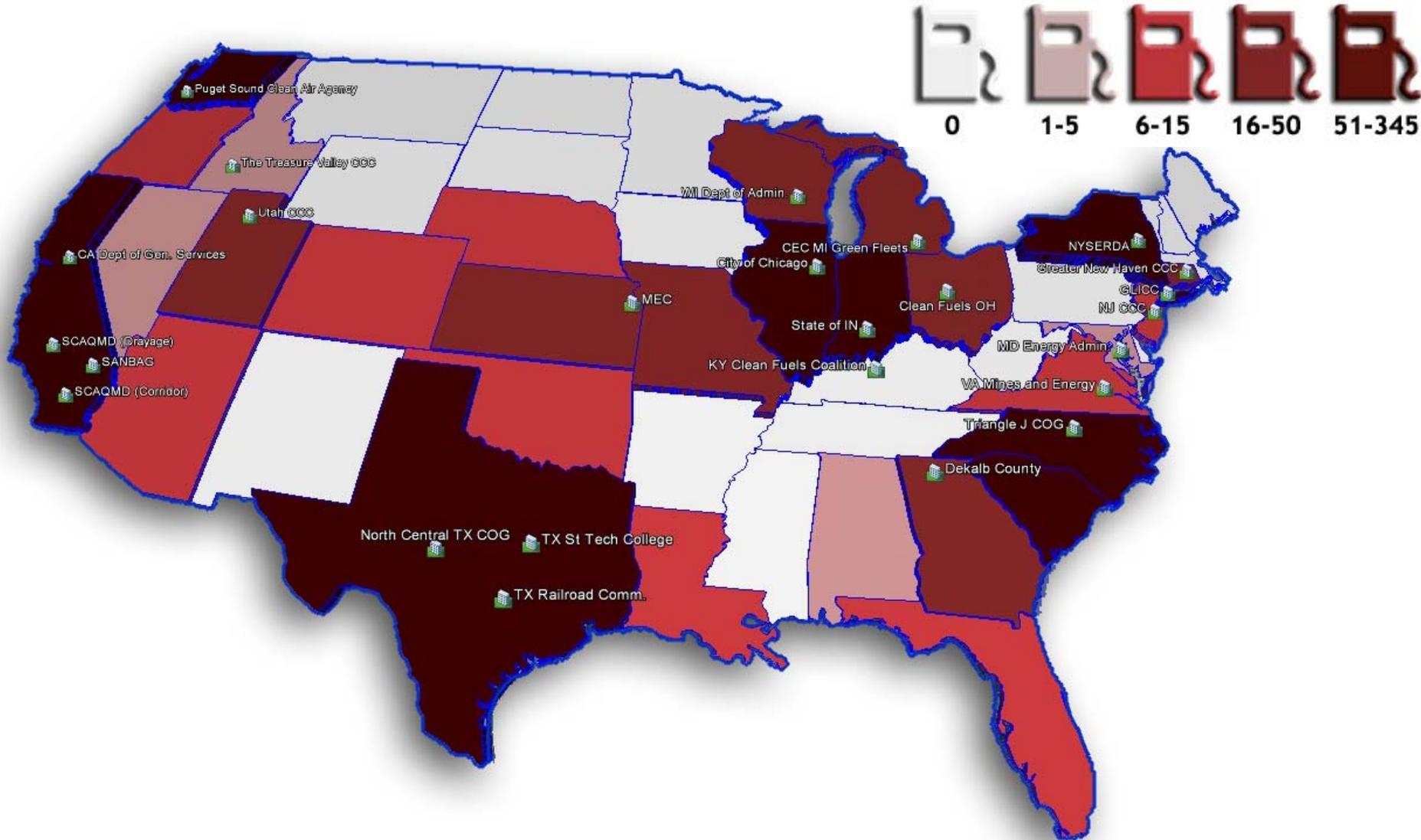


Clean Cities Recovery Act Awards- Total DOE Funds Disbursement by State



Grant Dollars	State	Grant Dollars	State
\$31,184,384	Texas	\$4,316,547	Nevada
\$30,954,099	California	\$3,727,123	Maryland
\$28,673,400	New York	\$3,348,128	Virginia
\$16,648,491	Georgia	\$2,857,533	Florida
\$15,950,864	Washington	\$2,621,543	Nebraska
\$15,403,404	Illinois	\$622,340	Louisiana
\$15,228,240	New Jersey	\$594,794	Colorado
\$15,041,601	Wisconsin	\$545,899	Oklahoma
\$15,009,703	Michigan	\$536,866	Oregon
\$14,950,249	Utah	\$399,061	Arizona
\$13,479,360	Connecticut	\$300,093	Pennsylvania
\$12,980,000	Kentucky	\$197,783	Minnesota
\$11,355,406	Ohio	\$161,801	Alabama
\$8,985,696	Indiana	\$114,959	Tennessee
\$8,467,012	North Carolina	\$77,000	Massachusetts
\$7,719,451	Kansas	\$39,559	Arkansas
\$5,519,862	Idaho	\$11,600	Mississippi
\$4,933,814	Missouri		
\$4,570,964	South Carolina	\$297,528,630	Total

Clean Cities Recovery Act Award Recipients and Total Alternative Fuel Stations by State

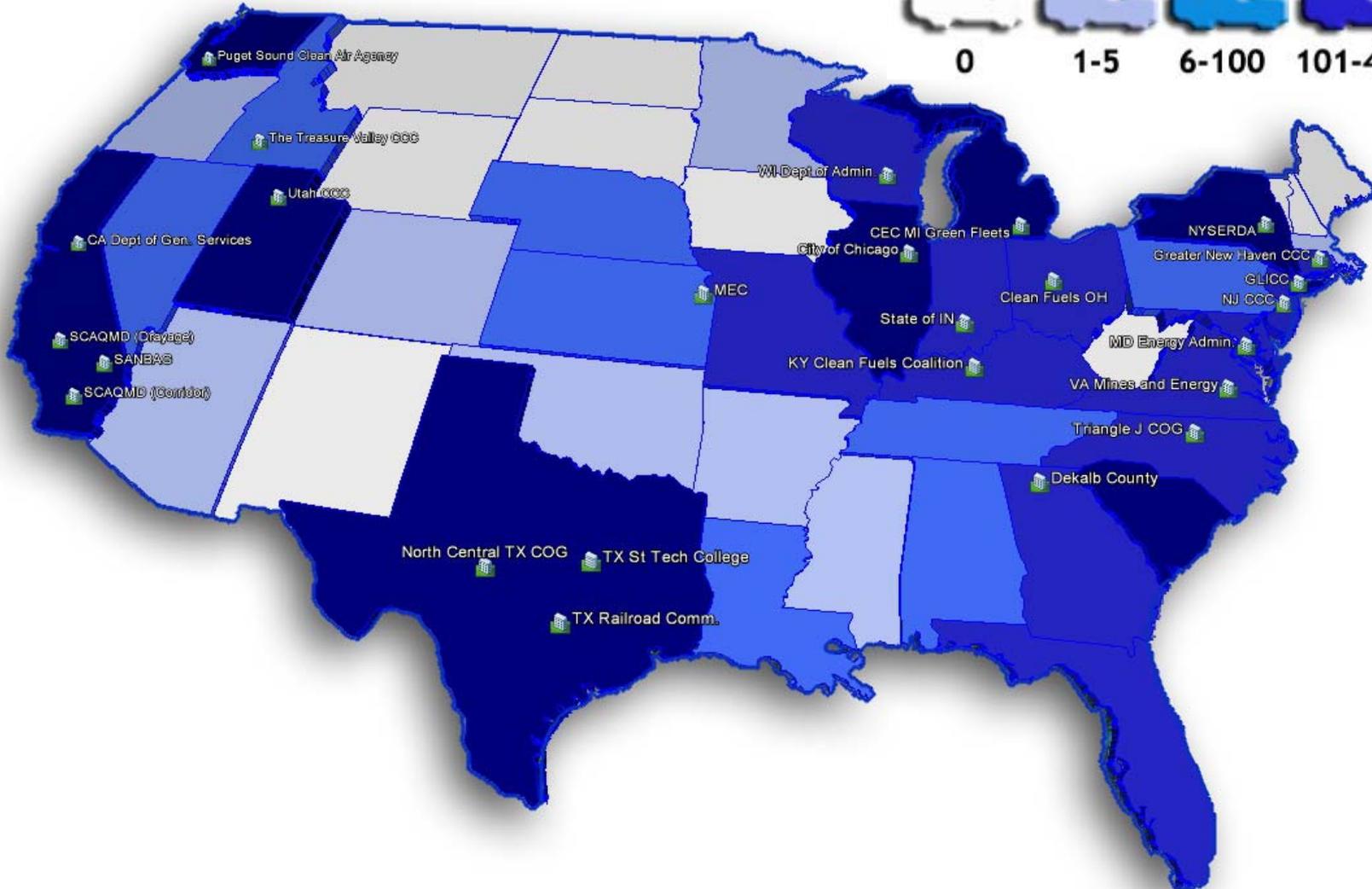


Clean Cities Recovery Act Awards- Total Alternative Fuel Stations by State



Stations	State	Stations	State
345	Illinois	16	Missouri
245	California	15	Colorado
156	Washington	13	Florida
127	Indiana	11	Arizona
112	North Carolina	10	Louisiana
105	New York	10	Oklahoma
99	Texas	9	Oregon
67	South Carolina	6	New Jersey
50	Utah	6	Virginia
40	Ohio	6	Nebraska
27	Michigan	4	Idaho
25	Georgia	1	Maryland
19	Connecticut	1	Nevada
17	Wisconsin	1	Alabama
16	Kansas	1,559	Total

Clean Cities Recovery Act Award Recipients and Total Alternative Fuel Vehicles by State

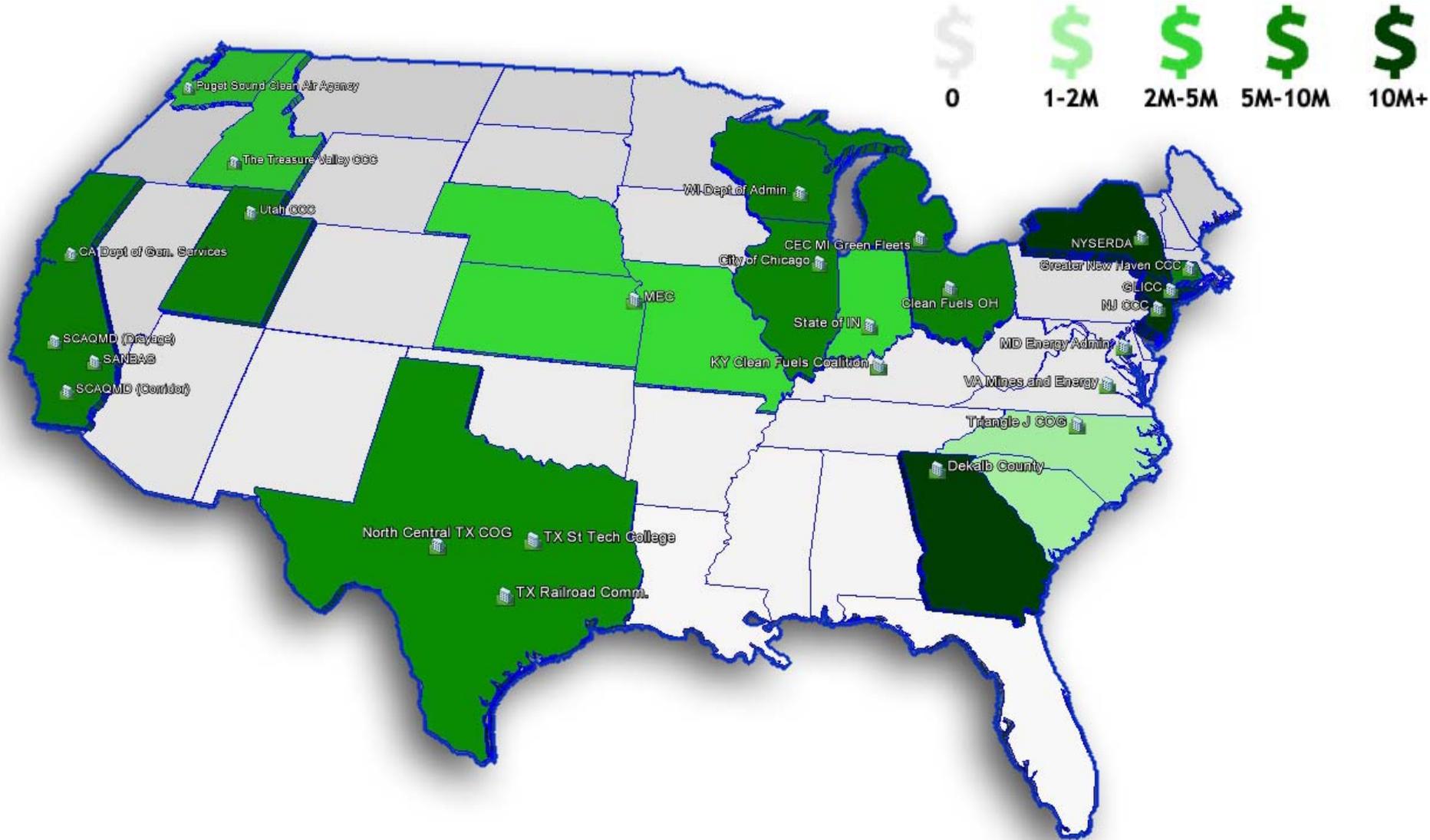


Clean Cities Recovery Act Awards- Total Alternative Fuel Vehicles by State



Vehicles	State	Vehicles	State
1,033	Washington	159	North Carolina
888	Texas	100	Nebraska
534	New York	79	Kansas
531	Utah	48	Nevada
517	California	32	Idaho
493	South Carolina	20	Louisiana
462	Michigan	20	Alabama
412	Illinois	14	Tennessee
382	Georgia	8	Pennsylvania
343	Maryland	5	Minnesota
327	Indiana	2	Oregon
302	Ohio	2	Colorado
281	Wisconsin	2	Massachusetts
279	Virginia	2	Mississippi
278	New Jersey	1	Arizona
272	Connecticut	1	Arkansas
270	Florida	1	Oklahoma
207	Kentucky		
183	Missouri	8,490	Total

Clean Cities Recovery Act Award Recipients and DOE Funds Disbursement for CNG Projects by State

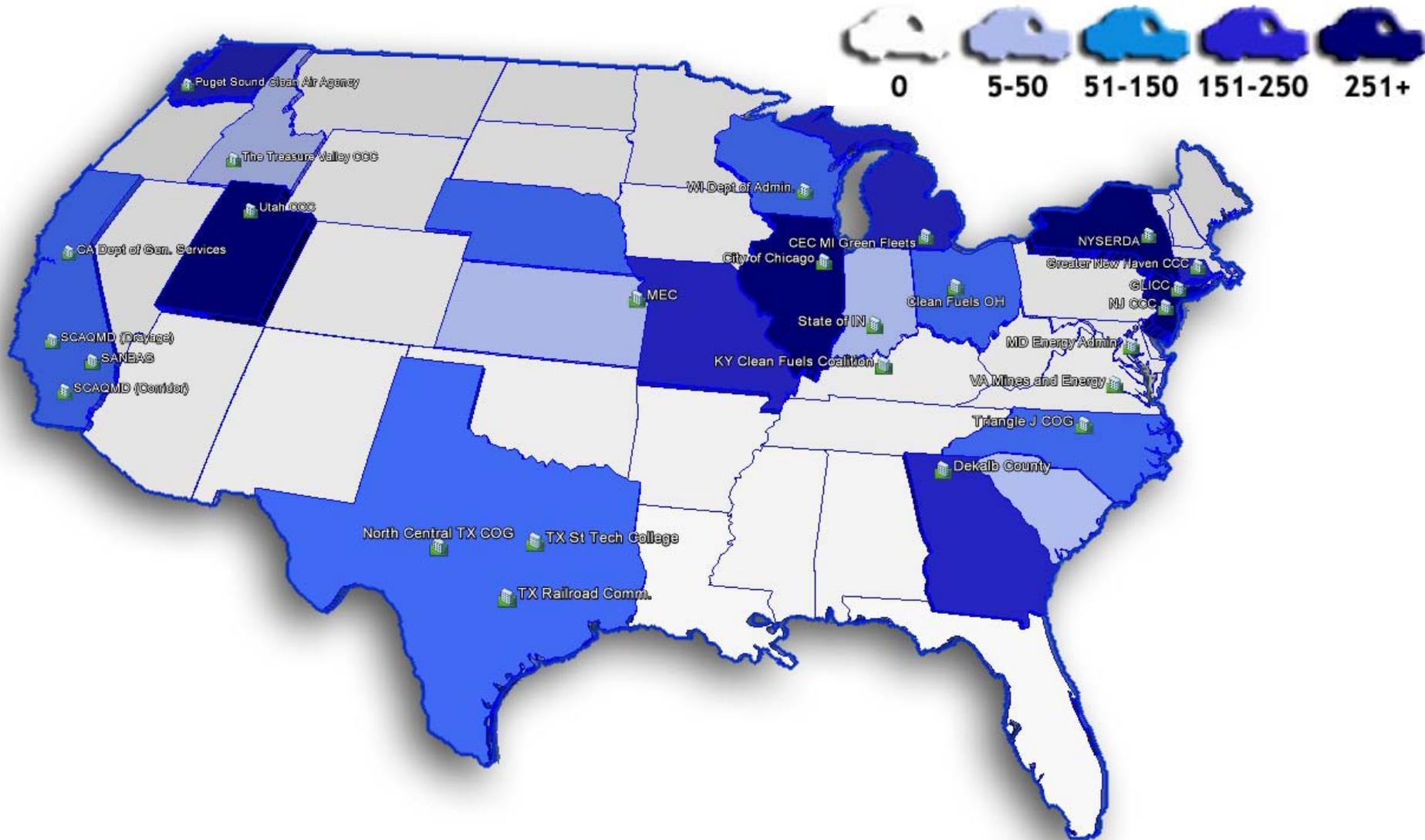


Clean Cities Recovery Act Awards- DOE Funds For CNG Projects by State



CNG Grant Dollars	State	CNG Grant Dollars	State
\$20,374,617	New York	\$5,194,655	Connecticut
\$15,450,810	New Jersey	\$4,844,901	Kansas
\$10,747,205	Georgia	\$4,405,372	Idaho
\$9,593,886	Illinois	\$3,600,344	Missouri
\$8,209,390	Utah	\$2,802,679	Washington
\$7,377,260	Ohio	\$2,621,543	Nebraska
\$7,306,637	Michigan	\$2,284,150	Indiana
\$6,349,961	Texas	\$1,954,165	North Carolina
\$6,100,312	Wisconsin	\$350,251	South Carolina
\$5,380,116	California	\$124,948,254	Total

Clean Cities Recovery Act Award Recipients and CNG Vehicles by State

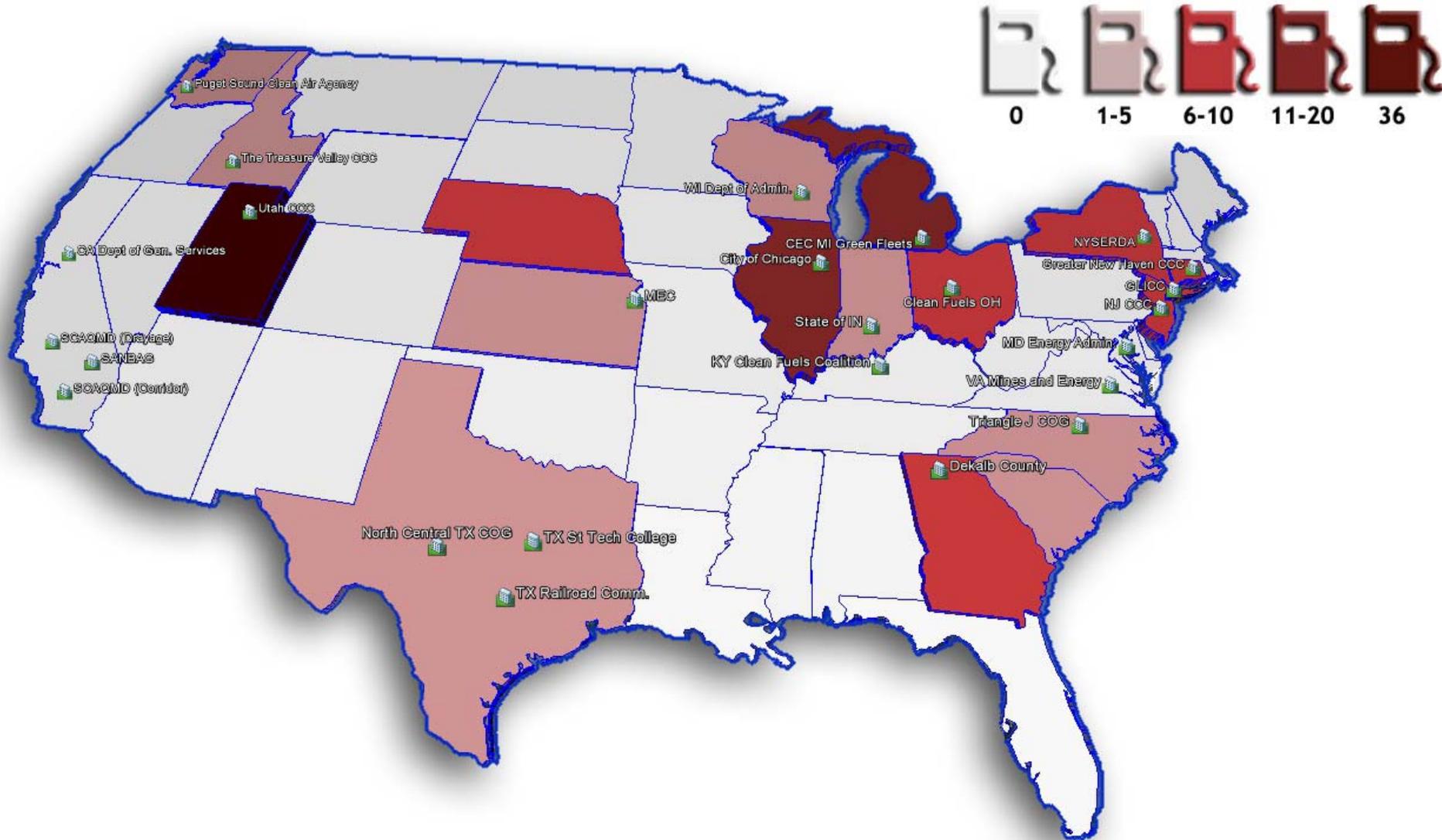


Clean Cities Recovery Act Awards- CNG Vehicles by State



CNG's	State	CNG's	State
390	New York	100	Nebraska
310	Illinois	99	California
286	Utah	98	Texas
272	New Jersey	80	Wisconsin
245	Connecticut	51	North Carolina
198	Washington	48	Kansas
189	Michigan	32	Idaho
164	Georgia	19	Indiana
161	Missouri	5	South Carolina
114	Ohio	2,861	Total

Clean Cities Recovery Act Award Recipients and CNG Fueling Stations by State

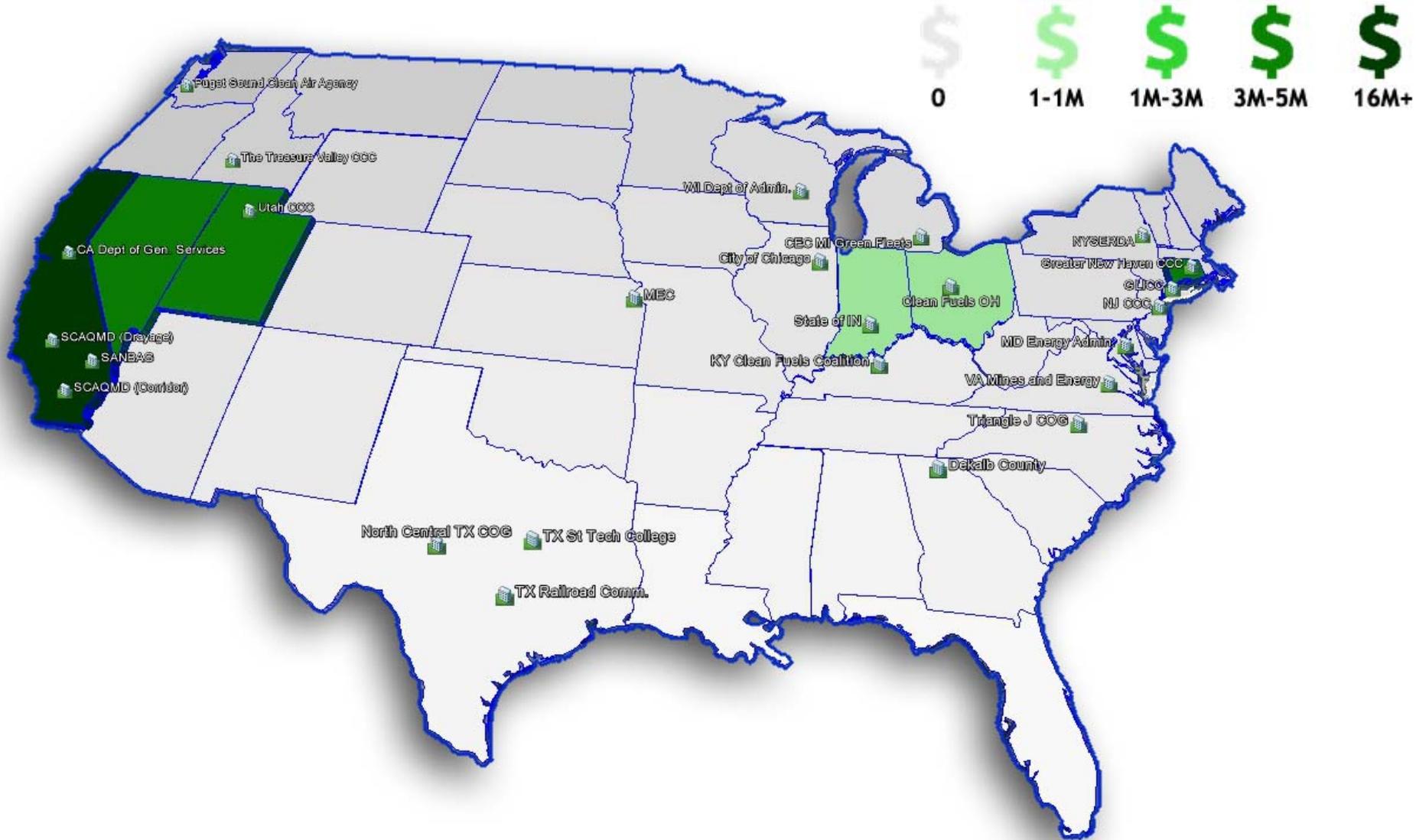


Clean Cities Recovery Act Awards- CNG Fueling Stations by State



CNG Stations	State	CNG Stations	State
36	Utah	4	Wisconsin
17	Illinois	4	North Carolina
16	Michigan	4	Idaho
8	Ohio	4	Kansas
8	New York	3	Texas
8	Connecticut	3	Indiana
7	Georgia	1	Washington
6	New Jersey	1	South Carolina
6	Nebraska	136	Total

Clean Cities Recovery Act Award Recipients and Funds Disbursement for LNG by State



Clean Cities Recovery Act Awards- DOE Funds For LNG Projects by State



LNG Grant Dollars	State	LNG Grant Dollars	State
\$16,235,813	California	\$970,104	Ohio
\$4,316,547	Nevada	\$300,000	Indiana
\$3,133,070	Utah		
\$2,261,938	Connecticut	\$27,217,472	Total

Clean Cities Recovery Act Award Recipients and LNG Vehicles by State

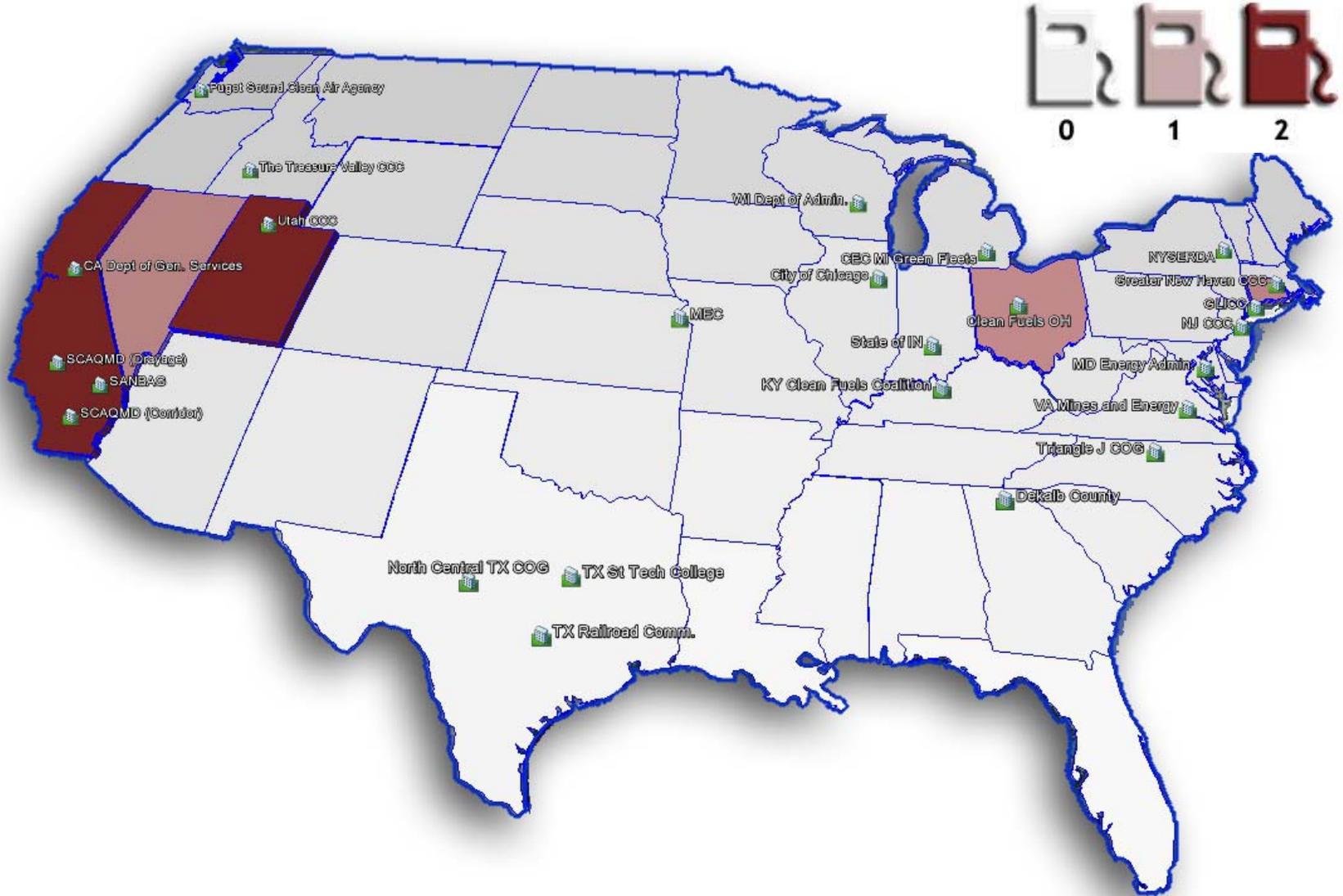


Clean Cities Recovery Act Awards- LNG Vehicles by State



LNG's	State	LNG's	State
279	California	10	Ohio
49	Utah	4	Indiana
48	Nevada		
18	Connecticut	408	Total

Clean Cities Recovery Act Award Recipients and LNG Fueling Stations by State

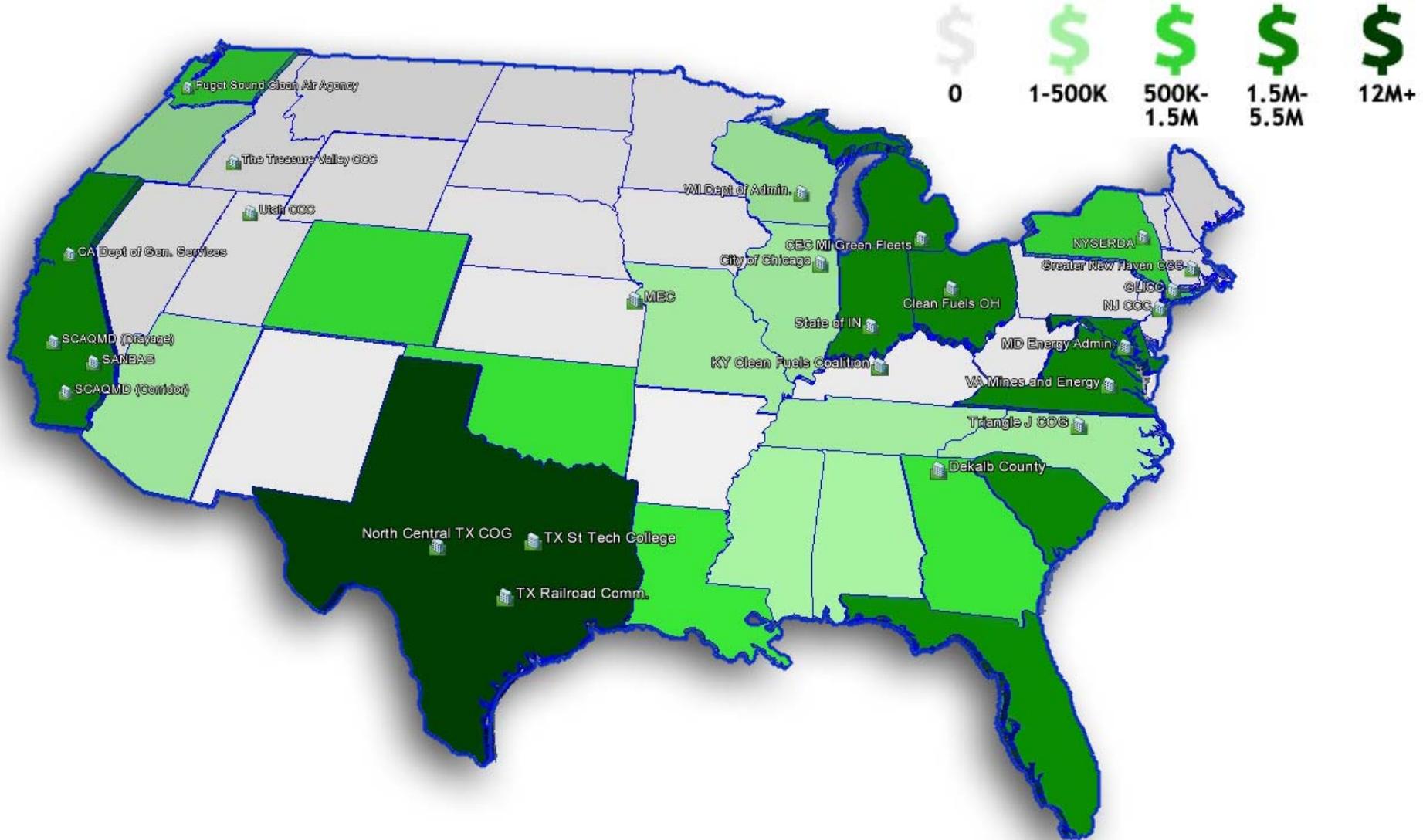


Clean Cities Recovery Act Awards- LNG Fueling Stations by State



LNG Stations	State	LNG Stations	State
2	California	1	Connecticut
2	Utah	1	Nevada
1	Ohio	7	Total

Clean Cities Recovery Act Award Recipients and Funds Disbursement for LPG by State

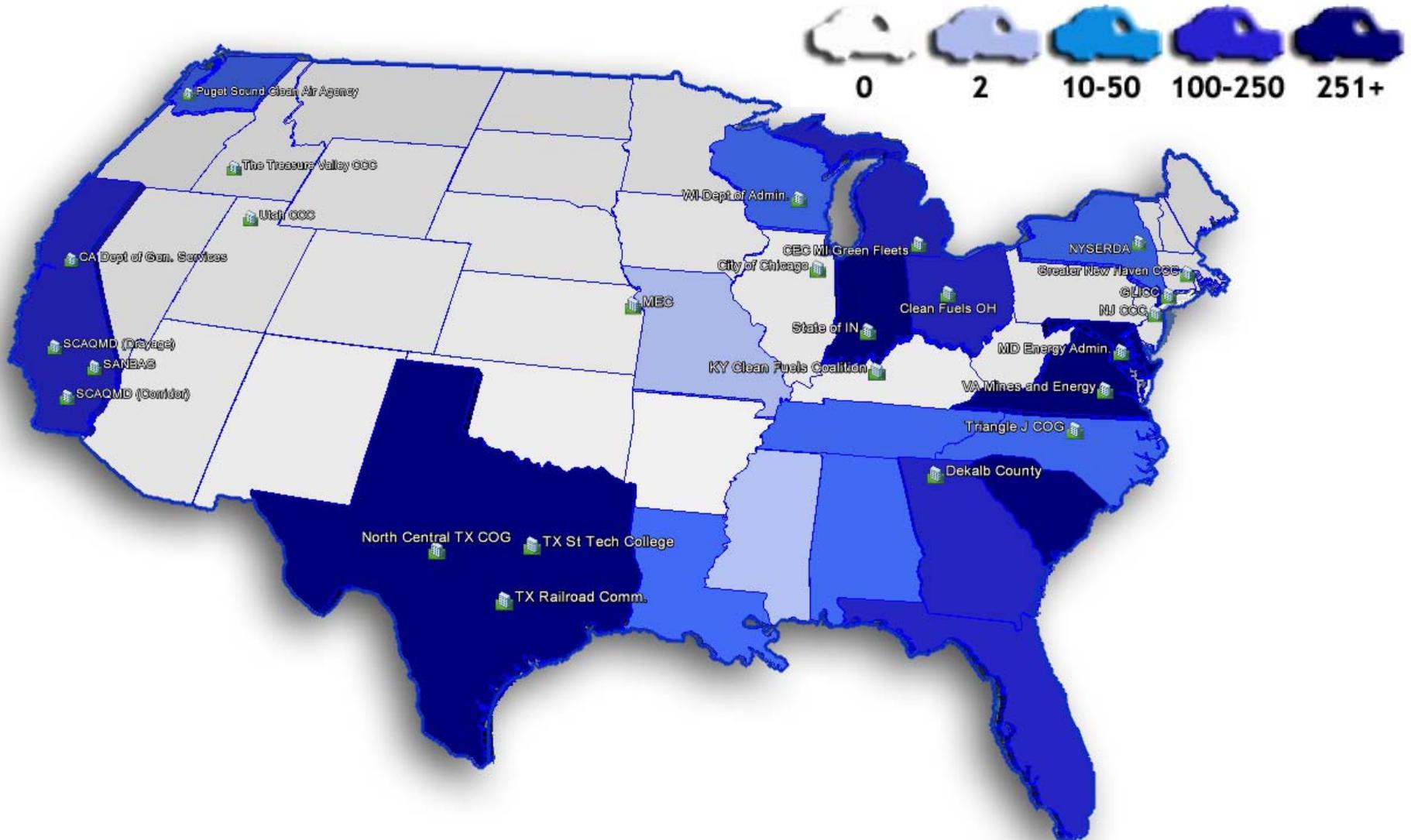


Clean Cities Recovery Act Awards- DOE Funds For LPG Projects by State



LPG Grant Dollars	State	LPG Grant Dollars	State
\$12,672,433	Texas	\$513,634	Colorado
\$5,388,478	Indiana	\$506,340	Oklahoma
\$3,100,515	South Carolina	\$455,706	Oregon
\$2,734,052	California	\$423,847	Wisconsin
\$2,088,689	Michigan	\$359,502	Arizona
\$2,082,954	Florida	\$280,296	North Carolina
\$1,865,955	Ohio	\$252,572	Missouri
\$1,750,000	Maryland	\$120,200	Alabama
\$1,643,400	Virginia	\$75,400	Tennessee
\$1,390,977	Georgia	\$30,000	Illinois
\$1,204,177	Washington	\$11,600	Mississippi
\$622,340	Louisiana		
\$566,149	New York	\$40,139,217	Total

Clean Cities Recovery Act Award Recipients and LPG Vehicles by State

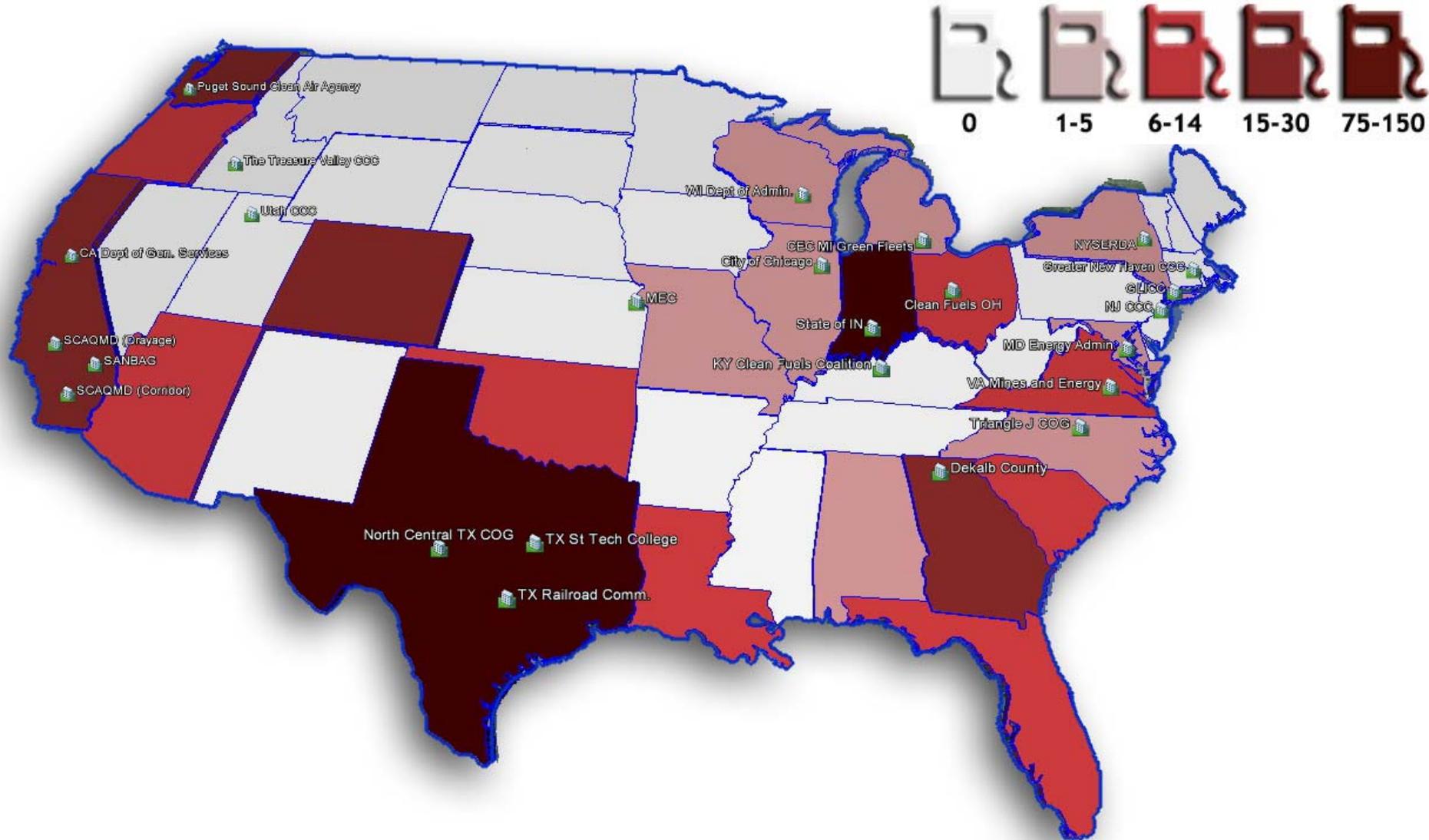


Clean Cities Recovery Act Awards- LPG Vehicles by State



LPG's	State	LPG's	State
600	Texas	46	New York
488	South Carolina	43	North Carolina
300	Maryland	35	Washington
273	Virginia	34	Wisconsin
262	Indiana	20	Louisiana
250	Florida	19	Alabama
225	Michigan	13	Tennessee
161	Georgia	2	Missouri
142	Ohio	2	Mississippi
114	California	3,029	Total

Clean Cities Recovery Act Award Recipients and LPG Fueling Stations by State

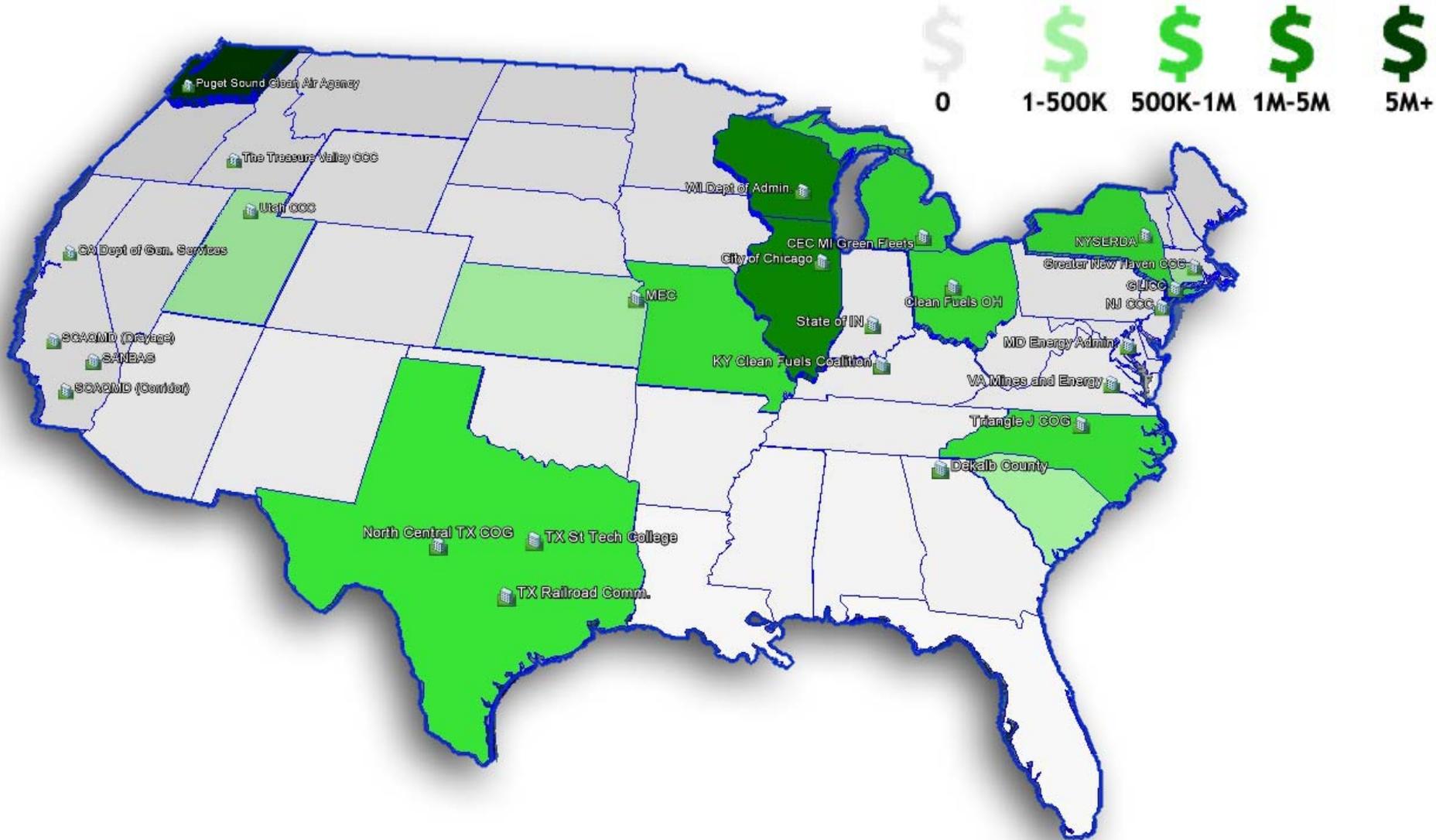


Clean Cities Recovery Act Awards- LPG Fueling Stations by State



LPG Stations	State	LPG Stations	State
121	Indiana	6	Virginia
86	Texas	6	South Carolina
27	California	5	Missouri
20	Washington	3	North Carolina
18	Georgia	3	New York
15	Colorado	2	Wisconsin
13	Florida	2	Michigan
11	Arizona	1	Alabama
10	Oklahoma	1	Maryland
10	Louisiana	1	Illinois
9	Oregon		
6	Ohio	376	Total

Clean Cities Recovery Act Award Recipients and Funds Disbursement for PHEV/EV by State

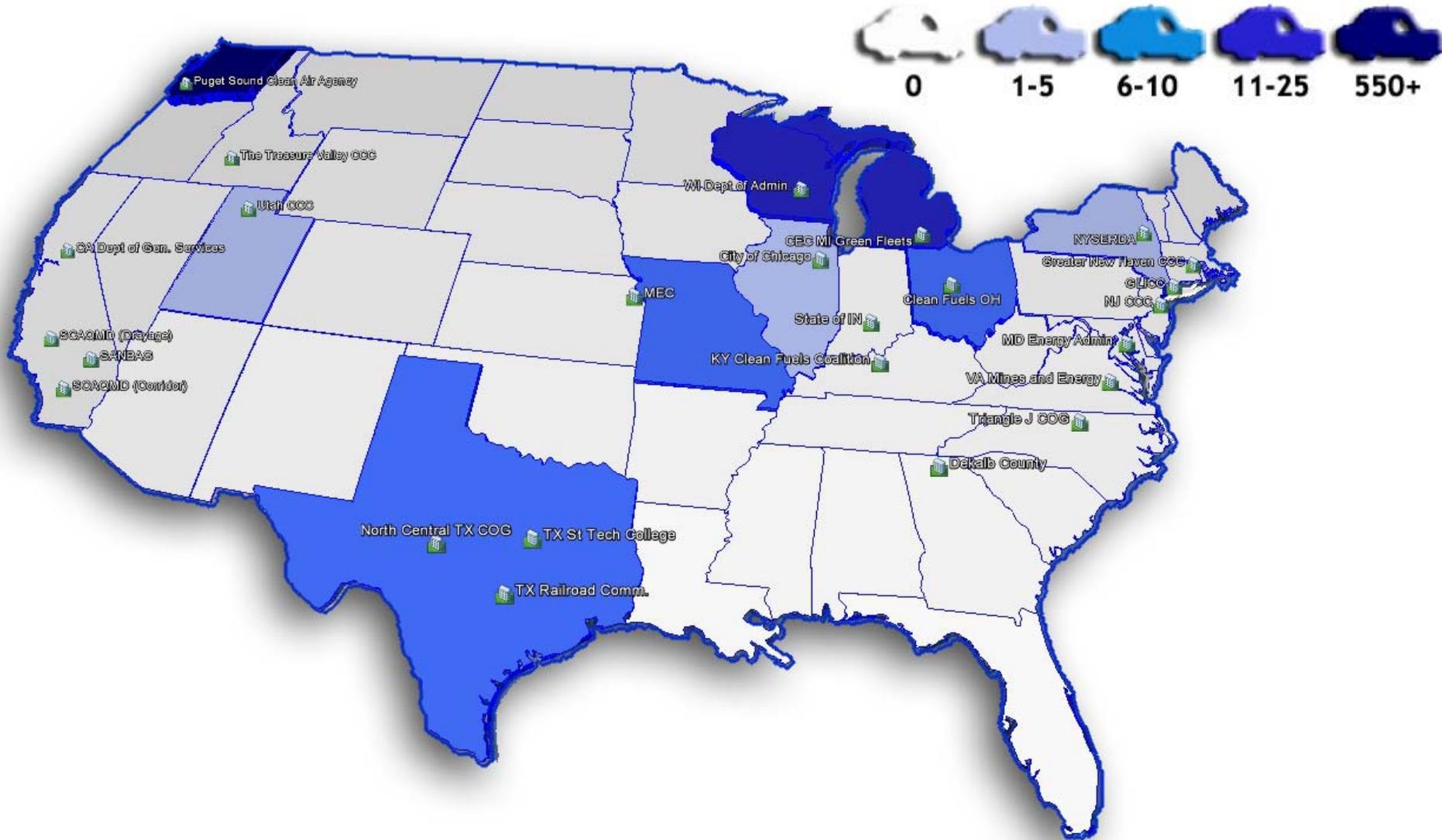


Clean Cities Recovery Act Awards- DOE Funds For PHEV/EV Projects by State



PHEV/EV Grant Dollars	State	PHEV/EV Grant Dollars	State
\$6,127,934	Washington	\$572,660	North Carolina
\$3,663,973	Wisconsin	\$545,228	Michigan
\$1,494,145	Illinois	\$157,864	South Carolina
\$864,493	New York	\$55,140	Kansas
\$818,876	Ohio	\$28,782	Utah
\$761,375	Texas	\$24,000	Connecticut
\$649,377	Missouri	\$15,763,847	Total

Clean Cities Recovery Act Award Recipients and PHEV/EV Vehicles by State

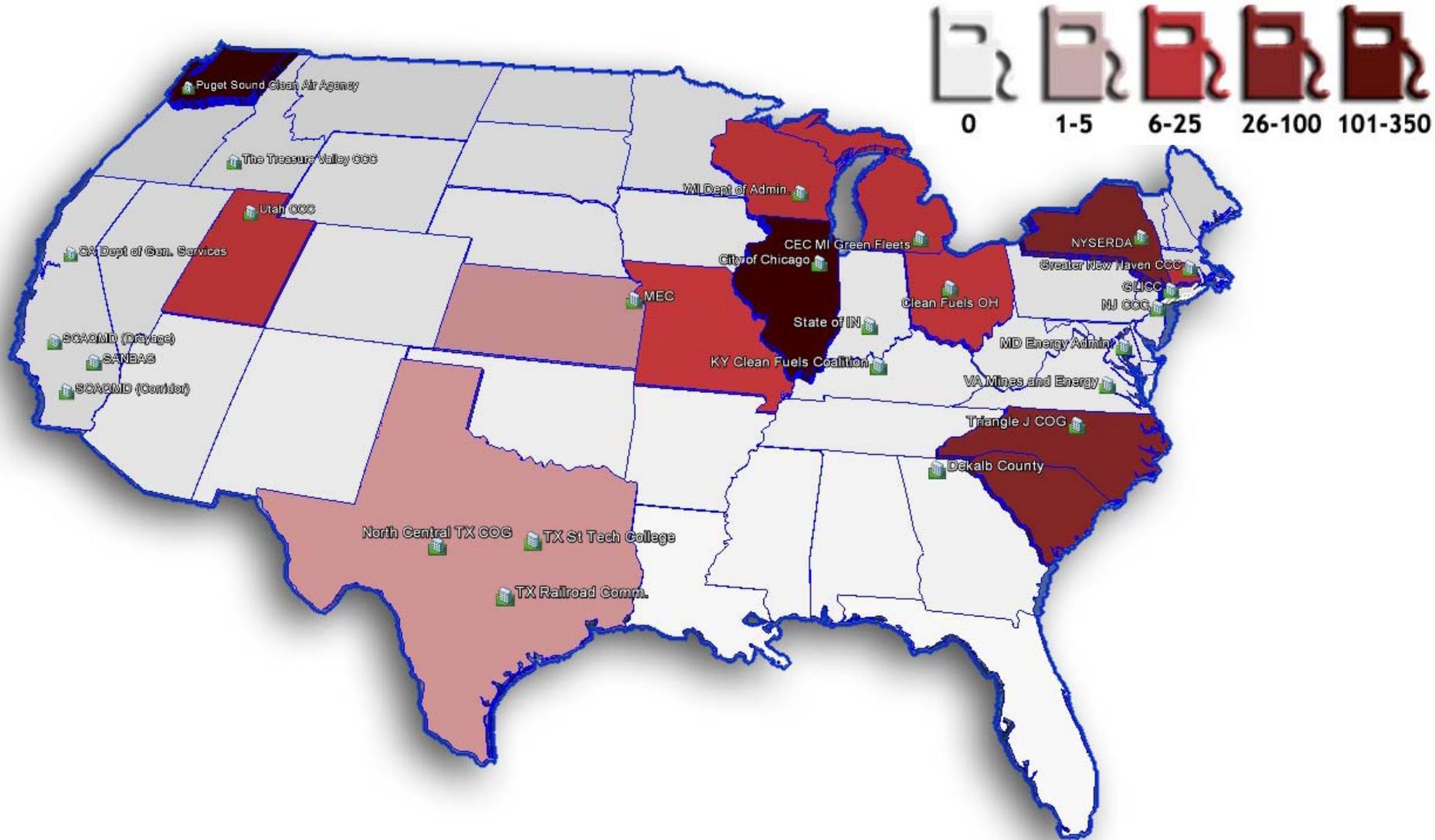


Clean Cities Recovery Act Awards- PHEV/EV Vehicle deployment by State



PHEV & EV's	State	PHEV & EV's	State
594	Washington	6	Missouri
25	Wisconsin	5	New York
11	Michigan	1	Illinois
9	Texas	1	Utah
7	Ohio	659	Total

Clean Cities Recovery Act Award Recipients and EVSE Units by State

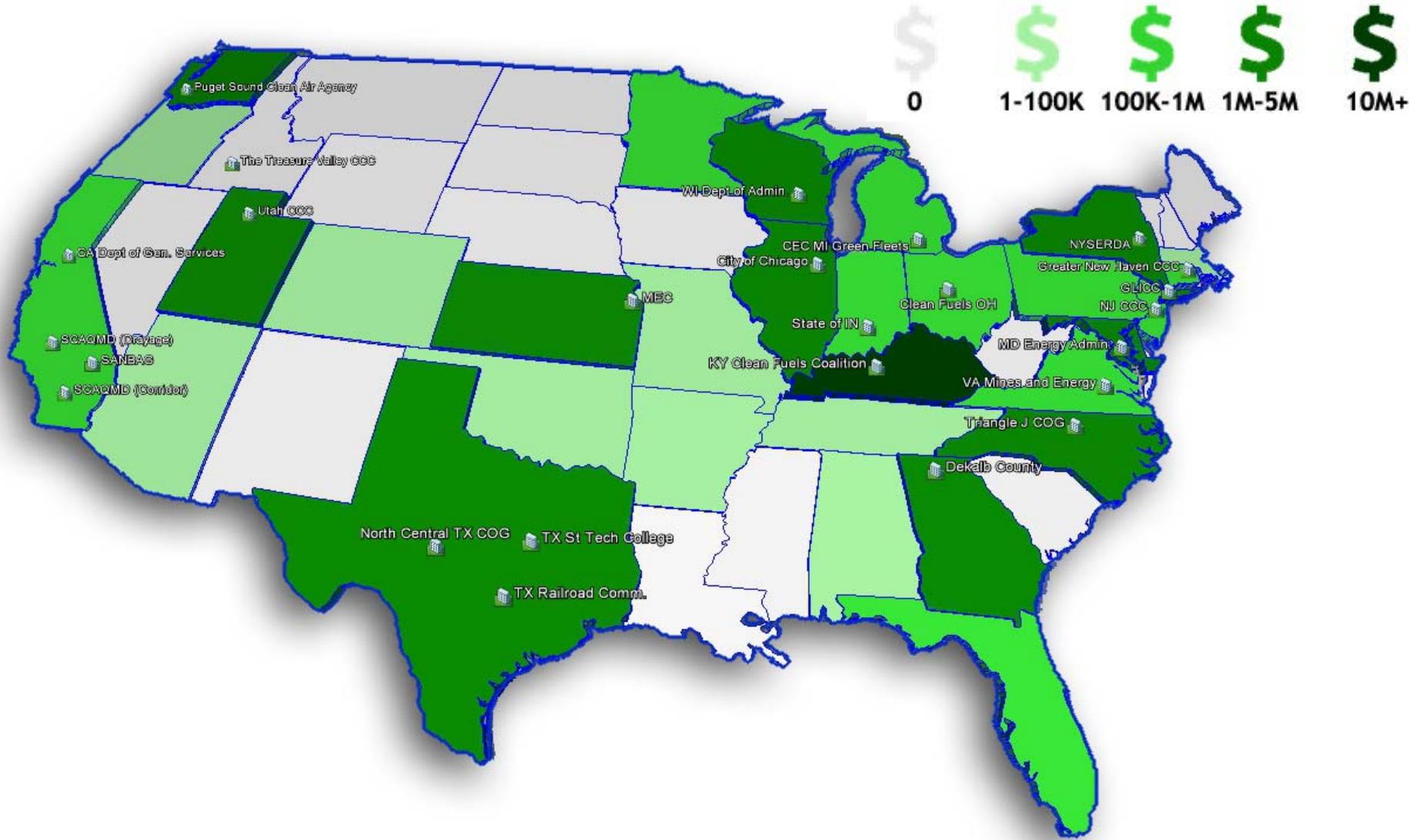


Clean Cities Recovery Act Awards- EVSE Units by State



EVSE Units	State	EVSE Units	State
316	Illinois	10	Missouri
133	Washington	9	Michigan
100	North Carolina	9	Wisconsin
94	New York	8	Connecticut
32	South Carolina	5	Kansas
25	Ohio	4	Texas
11	Utah	756	Total

Clean Cities Recovery Act Award Recipients and Funds Disbursement for HEV Vehicles by State

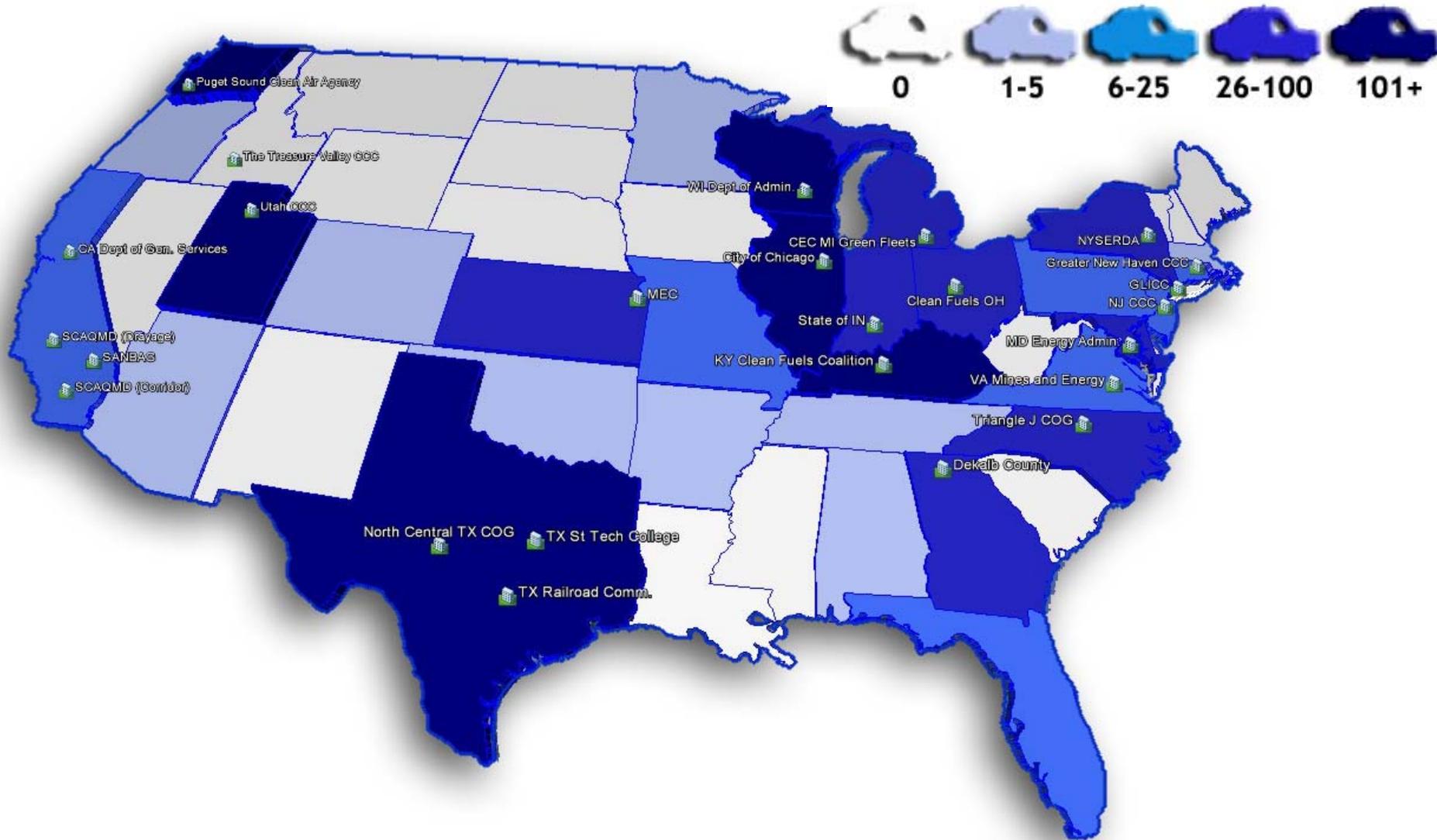


Clean Cities Recovery Act Awards- DOE Funds For HEV Projects by State



HEV Grant Dollars	State	HEV Grant Dollars	State
\$12,312,366	Kentucky	\$300,093	Pennsylvania
\$4,907,984	Texas	\$286,360	Connecticut
\$3,242,690	Washington	\$231,000	New Jersey
\$2,975,306	New York	\$230,628	Virginia
\$2,501,195	Wisconsin	\$197,783	Minnesota
\$2,327,248	North Carolina	\$81,160	Oregon
\$2,115,347	Georgia	\$81,160	Colorado
\$1,990,777	Maryland	\$77,000	Massachusetts
\$1,653,601	Utah	\$67,601	Missouri
\$1,348,310	Kansas	\$41,601	Alabama
\$1,009,746	Illinois	\$39,559	Arkansas
\$968,686	California	\$39,559	Arizona
\$850,578	Michigan	\$39,559	Tennessee
\$774,579	Florida	\$39,559	Oklahoma
\$509,342	Ohio		
\$436,485	Indiana	\$41,676,860	Total

Clean Cities Recovery Act Award recipients and HEV Vehicles by State

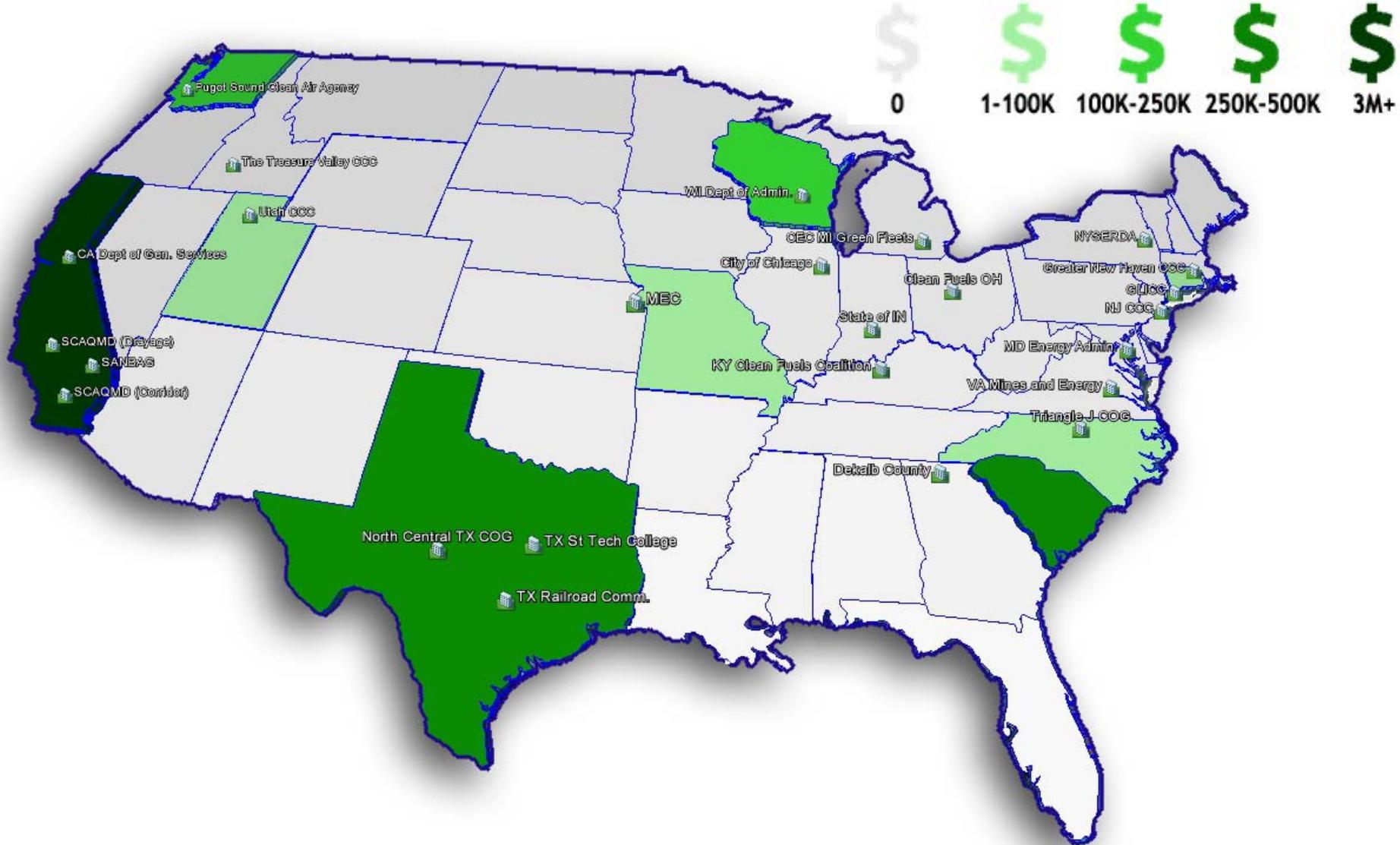


Clean Cities Recovery Act Awards- HEV Vehicle deployment by State



HEV's	State	HEV's	State
207	Kentucky	14	Missouri
202	Washington	9	Connecticut
195	Utah	8	Pennsylvania
156	Texas	6	Virginia
122	Wisconsin	6	New Jersey
101	Illinois	5	Minnesota
87	New York	2	Colorado
57	Georgia	2	Oregon
43	North Carolina	2	Massachusetts
43	Maryland	1	Arizona
42	Indiana	1	Tennessee
37	Michigan	1	Arkansas
30	Kansas	1	Alabama
29	Ohio	1	Oklahoma
25	California		
20	Florida		
		1,455	Total

Clean Cities Recovery Act Award Recipients and Funds Disbursement for Biodiesel Stations by State

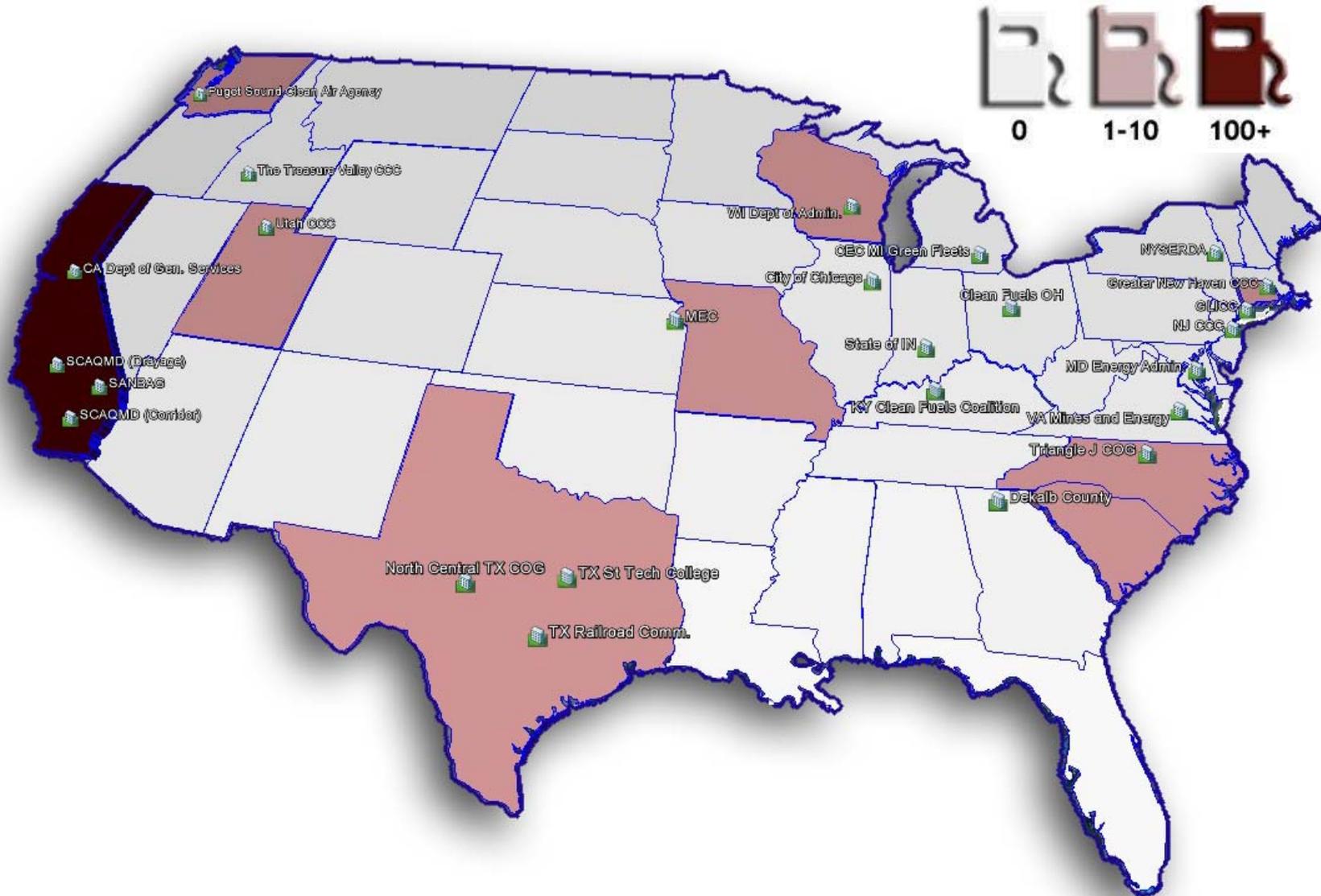


Clean Cities Recovery Act Awards- DOE Funds For Biodiesel Projects by State



Biodiesel Grant Dollars	State	Biodiesel Grant Dollars	State
\$3,458,600	California	\$79,958	North Carolina
\$362,430	Texas	\$57,254	Missouri
\$269,334	South Carolina	\$46,206	Utah
\$153,748	Washington	\$7,000	Connecticut
\$100,000	Wisconsin	\$4,534,530	Total

Clean Cities Recovery Act Award Recipients and Biodiesel Fueling Stations by State



Clean Cities Recovery Act Awards- Biodiesel Fueling Stations by State



Biodiesel Stations	State	Biodiesel Stations	State
108	California	1	Connecticut
10	South Carolina	1	Wisconsin
3	North Carolina	1	Missouri
3	Texas	1	Utah
1	Washington	129	Total

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